

CLAIMS

Having described my invention,

1. A method for sensing motion of a body using quasistatic electric potential measurements consisting of:

- a. at least one sensor capable of detecting said quasistatic electric potential perturbations relative to the background electric potential caused from the presence or motion of a body in proximity to sensor;
- b. a least one motional command perturbing the said electric potential;
- c. a means electronically conditioning and acquiring the signal data from the at least one sensor, or a plurality thereof, in time;
- d. a means processing the acquired data to produce a signal indicative of a body's motion of its presence;
- e. a means of recognizing the said signal associated with body's motion or its presence;
- f. a means of maintaining or modulating the electrical conductivity of the body such that the A.C. amplitude changes in a fairly predictable way with changes in relative proximity between the said sensor and body;
- g. a means of dispatching a command to an electronic device upon recognition;

2. An apparatus using the method in claim 1 when used to sense motion of a body through walls, ceilings, doors, and containers;

3. An apparatus using the method in claim 1 used to communicate motional commands to a device using perturbations in the A.C. background potential;

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773 4. An apparatus using the method in claim 1 used to
774 communication motional commands to a device using
775 perturbation in the D.C. background potential;
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777 5. An apparatus using the method in claim 1 communicating
778 motional commands to a device using perturbations in
779 both the D.C. and A.C. signal components;
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781 6. An apparatus as in claim 1 used to detect the D.C.,
782 A.C., or combination of both signal components of
783 inanimate objects including a machine and matter;
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785 7. An apparatus as in claim 1 used to detect the D.C.,
786 A.C., or combination of both signal components of a
787 animate objects including people, and animals, and
788 fish, and insects;
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790 8. An apparatus using method of claim 1 in a toys;
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792 9. An apparatus using method in claim 1 used to
793 communicate motional commands to a device by
794 recognizing perturbations in the background signal
795 originating from the A.C. power wiring or equipment;
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797 10. An apparatus using method in claim 1 used to
798 communicate motional commands to a device by
799 recognizing perturbations in the background signal
800 originating from static field transmitter or and A.C.
801 transmitter;
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804 11. An apparatus as in claim 1 consisting of:
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807 a. a high input impedance amplifier with low
808 frequency response to signals about 4 Hz while
809 still having sensitivity to the background A.C.
810 signal;
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812 b. a means for filtering the pass band signals from
813 said amplifier in part a to extract the A.C. and
814 D.C. part;
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- 817 12. An apparatus using method in claim 11 used to
818 communicate motional commands to a device using
819 perturbations in the A.C. background potential and
820 consisting of:
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823 a. an array of said sensors on a viewing monitor
824 with at least 2 sensors forming a pair and having
825 a component of the vector joining them in the
826 direction of motion sensed;
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- 828 13. An apparatus using the method in claim 12 as a part of
829 a portable computing device;
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- 831 14. An apparatus using the method in claim 12 as a part of
832 a device for viewing pictures and videos;
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- 834 15. An apparatus using the method in claim 12 as a part of
835 a computer monitor device;
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- 837 16. An apparatus using the method in claim 12 as a part of
838 a computer keyboard device;
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- 840 17. An apparatus using the method in claim 12 as a part of
841 baby mobile toy;
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- 843 18. An apparatus using the method in claim 12 as a part
844 of;
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- 846 19. An apparatus using method in claim 12 where the means
847 for modulation is a switch in a shoe;
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- 849 20. An apparatus using method in claim 12 used to detect
850 fish;
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